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30 wherein the transgene, in a lactating form of the
31 bovine or a female descendent of the bovine, is capable of
32 directing the expression of the secretory-recombinant DNA
33 sequence in bovine mammary secretory cells to produce a form of
34 recombinant polypeptide, that when secreted from the mammary
35 secretory cells produces the recombinant polypeptide in the milk
36 of the bovine or female descendent thereof.

37 126. The transgenic bovine of claim 124, wherein the transgene is
38 introduced into the zygote by microinjection.

39 127. The transgenic bovine of claim 125, wherein the transgene
40 is introduced into the zygote by microinjection.

41 Remarks

42 Claims 73, 82, 83, 97 and 98-127 are pending. New claims
43 98-121 and 123 are generally similar to claims pending in the
44 grandparent application, USSN 07/898,956 (now abandoned) at the
45 time of the final rejection in that case. New claims 122 and
46 124-127 are directed to methods of producing transgenic bovines
47 employing *in vitro* fertilization, and the transgenic bovines
48 thereby produced. The Examiner is requested to pay particular
49 attention to the failure of the art cited in the parent case to
50 disclose any examples of viable transgenic bovines or the use of
51 *in vitro* fertilization in generation of such bovines. See
52 Response filed November 23, 1993 at pp. 14-16. Support for terms
53 not used in the claims from the grandparent case is provided as
54 follows. The term "enhancer" in claim 98 is supported at e.g.,
55 p. 18, second paragraph. The 2 kb 3' flanking sequence in claim
56 101 is supported at e.g., p. 20, first paragraph. The 16 kb 5'
57 flanking sequence of claim 102 is supported at e.g., p. 21, Table
58 1. New claims 122 and 124-127 are supported by e.g., Examples 6
59 and 15.
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Respectfully submitted,

J. Liebeschuetz

Joe Liebeschuetz
Reg. No. 37,505

TOWNSEND and TOWNSEND KHOURIE and CREW
20th Floor, Steuart Street Tower
One Market Plaza
San Francisco, California 94105-1492
(415) 326-2400

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